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1 [Machine interpretation of CAD data for manufacturing applications](#)

Qiang Ji, Michael M. Marefat

September 1997 **ACM Computing Surveys (CSUR)**, Volume 29 Issue 3

Full text available: pdf(1.90 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Machine interpretation of the shape of a component for CAD databases is an important problem in CAD/CAM, computer vision, and intelligent manufacturing. It can be used in CAD/CAM for evaluation of designs, in computer vision for machine recognition and machine inspection of objects, and in intelligent manufacturing for automating and integrating the link between design and manufacturing. This topic has been an active area of research since the late '70s, and a significant number of computat ...

Keywords: artificial intelligence, automated process planning, computer-aided design, computer-integrated manufacturing, feature recognition, flexible automation

2 [Gross motion planning—a survey](#)

Yong K. Hwang, Narendra Ahuja

September 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 3

Full text available: pdf(6.40 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Motion planning is one of the most important areas of robotics research. The complexity of the motion-planning problem has hindered the development of practical algorithms. This paper surveys the work on gross-motion planning, including motion planners for point robots, rigid robots, and manipulators in stationary, time-varying, constrained, and movable-object environments. The general issues in motion planning are explained. Recent approaches and their performances are briefly described, a ...

Keywords: collision detection, computational geometry, implementation, motion planning, obstacle avoidance, path planning, spatial representation

3 [Model-based recognition in robot vision](#)

Roland T. Chin, Charles R. Dyer

March 1986 **ACM Computing Surveys (CSUR)**, Volume 18 Issue 1

Full text available:  pdf(4.94 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper presents a comparative study and survey of model-based object-recognition algorithms for robot vision. The goal of these algorithms is to recognize the identity, position, and orientation of randomly oriented industrial parts. In one form this is commonly referred to as the "bin-picking" problem, in which the parts to be recognized are presented in a jumbled bin. The paper is organized according to 2-D, 2½-D, and 3-D object representations, which are used as the basis for ...

4 [Active zones in CSG for accelerating boundary evaluation, redundancy elimination, interference detection, and shading algorithms](#)


Jaroslaw R. Rossignac, Herbert B. Voelcker

November 1988 **ACM Transactions on Graphics (TOG)**, Volume 8 Issue 1Full text available:  pdf(2.67 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Solids defined by Boolean combinations of solid primitives may be represented in constructive solid geometry (CSG) as binary trees. Most CSG-based algorithms (e.g., for boundary evaluation, graphic shading, interference detection) do various forms of set-membership classification by traversing the tree associated with the solid. These algorithms usually generate intermediate results that do not contribute to the final result, and hence may be regarded as redundant and a source of inefficiency ...


5 [Representations for Rigid Solids: Theory, Methods, and Systems](#)

Aristides G. Requicha

December 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 4Full text available:  pdf(2.47 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


6 [Three-dimensional object recognition](#)

Paul J. Besl, Ramesh C. Jain

March 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 1Full text available:  pdf(7.76 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A general-purpose computer vision system must be capable of recognizing three-dimensional (3-D) objects. This paper proposes a precise definition of the 3-D object recognition problem, discusses basic concepts associated with this problem, and reviews the relevant literature. Because range images (or depth maps) are often used as sensor input instead of intensity images, techniques for obtaining, processing, and characterizing range data are also surveyed.

7 [Dissertation Abstracts in Computer Graphics](#)

January 1992 **ACM SIGGRAPH Computer Graphics**, Volume 26 Issue 1Full text available:  pdf(2.53 MB)Additional Information: [full citation](#)

8 [Offsetting operations on non-manifold boundary representation models with simple geometry](#)

Sang Hun Lee


June 1999 **Proceedings of the fifth ACM symposium on Solid modeling and applications**Full text available:  pdf(1.37 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: CAD, algorithms, geometric modeling, non-manifold, offset, sheet, solid, wireframe

9 Generating swept solids for NC verification using the SEDE method

Liping Wang, Ming C. Leu, Denis Blackmore

May 1997 **Proceedings of the fourth ACM symposium on Solid modeling and applications**

Full text available:  pdf(1.32 MB)


Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)

Keywords: API tool, general 7-parameter, multi-axis NC machining, solid modeling, swept volume

10 Session 4: Continuous path verification in multi-axis NC-machining

Ron Wein, Oleg Ilushin, Gershon Elber, Dan Halperin

June 2004 **Proceedings of the twentieth annual symposium on Computational geometry**

Full text available:  pdf(832.06 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


We introduce a new approach to the problem of collision detection between a rotating milling-cutter of an NC-machine and a model of a solid workpiece, as the rotating cutter continuously moves near the workpiece. Having five degrees of motion freedom, this problem is hard to solve exactly and we approximate the motion of the tool by a sequence of sub-paths of pure translations interleaved with pure rotations. The detection problem along each sub-path is then solved by using radial projection of ...

Keywords: NC-machining, lower envelopes, path verification

11 Constraints in constructive solid geometry

Jaroslav R. Rossignac

January 1987 **Proceedings of the 1986 workshop on Interactive 3D graphics**

Full text available:  pdf(2.04 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

The success of solid modelling in industrial design depends on facilities for specifying and editing parameterized models of solids through user-friendly interaction with a graphical front-end. Systems based on a dual representation, which combines Constructive Solid Geometry (CSG) and Boundary representation (BRep), seem most suitable for modelling mechanical parts. Typically they accept a CSG-compatible input (Boolean combinations of solid primitives) and offer facilities for parameterizi ...

Keywords: computer graphics, constraints, quadric surfaces, rigid motions, solid modelling

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Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction on , Volume: 18 , Issue: 10 , Oct. 1999

Pages:1462 - 1479

[\[Abstract\]](#)[\[PDF Full-Text \(2076 KB\)\]](#)**IEEE JNL****2 Ordered binary decision diagrams and minimal trellises***Lafferty, J.; Vardy, A.;*

Computers, IEEE Transactions on , Volume: 48 , Issue: 9 , Sept. 1999

Pages:971 - 986

[\[Abstract\]](#)[\[PDF Full-Text \(380 KB\)\]](#)**IEEE JNL****3 On crossing minimization problem***Chen, H.-F.S.; Lee, D.T.;*

Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction on , Volume: 17 , Issue: 5 , May 1998

Pages:406 - 418

[\[Abstract\]](#)[\[PDF Full-Text \(500 KB\)\]](#)**IEEE JNL****4 Highly scalable algorithms for rectilinear and octilinear Steiner tree***Kahng, A.B.; Mandoiu, I.I.; Zelikovsky, A.Z.;*

Design Automation Conference, 2003. Proceedings of the ASP-DAC 2003. Asia South Pacific , 21-24 Jan. 2003

Pages:827 - 833

[\[Abstract\]](#)[\[PDF Full-Text \(687 KB\)\]](#)**IEEE CNF**

5 A graph-based approach for timing analysis and refinement of OPS! knowledge-based systems

Cheng, A.M.K.; Tsai, H.-Y.;

Knowledge and Data Engineering, IEEE Transactions on , Volume: 16 , Issue: 2 , Feb. 2004

Pages:271 - 288

[[Abstract](#)] [[PDF Full-Text \(523 KB\)](#)] **IEEE JNL**

6 A general framework for developing adaptive fault-tolerant routing algorithms

El-Ghazawi, T.; Youssef, A.;

Reliability, IEEE Transactions on , Volume: 42 , Issue: 2 , June 1993

Pages:250 - 258

[[Abstract](#)] [[PDF Full-Text \(656 KB\)](#)] **IEEE JNL**

7 Evolutionary graph generation with terminal-colour constraint for heterogeneous circuit synthesis

Natsui, M.; Aoki, T.; Higuchi, T.;

Electronics Letters , Volume: 37 , Issue: 13 , 21 June 2001

Pages:808 - 810

[[Abstract](#)] [[PDF Full-Text \(308 KB\)](#)] **IEE JNL**

8 A graph-based disassembly sequence planning for EOL product recycling

Zhang, H.C.; Kuo, T.C.;

Electronics Manufacturing Technology Symposium, 1997., Twenty-First IEEE/International , 13-15 Oct. 1997

Pages:140 - 151

[[Abstract](#)] [[PDF Full-Text \(932 KB\)](#)] **IEEE CNF**

9 A graph-based approach to disassembly model for end-of-life product recycling

Zhang, H.C.; Kuo, T.C.;

Electronics Manufacturing Technology Symposium, 1996., Nineteenth IEEE/CPMT , 14-16 Oct. 1996

Pages:247 - 254

[[Abstract](#)] [[PDF Full-Text \(888 KB\)](#)] **IEEE CNF**

10 Termination analysis in active databases

Montesi, D.; Bagnato, M.; Dallera, C.;

Database Engineering and Applications, 1999. IDEAS '99. International Symp Proceedings , 2-4 Aug. 1999

Pages:288 - 297

[[Abstract](#)] [[PDF Full-Text \(320 KB\)](#)] **IEEE CNF**
